

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	("LED" or "light adj emitt\$3 adj diode") and ((light adj light adj conversion) or (light adj conversion) or (photo adj photo adj conversion)) and ((oled" or "organic light emitting diode") with (polymer)) and ((photo sensor" "light detector" "light sensor" "image sensor") with (organic))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/21 17:16
L2	16	("LED" or "light adj emitt\$3 adj diode") and ((oled" or "organic light emitting diode") with (polymer)) and ((photo sensor" "light detector" "light sensor" "image sensor") with (organic))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/21 17:17
L3	0	2 and @ad < "20031217"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/21 17:17
L4	28	((oled" or "organic light emitting diode") with (polymer)) and ((photo sensor" "light detector" "light sensor" "image sensor") with (organic))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/21 17:18
L5	5	4 and @ad < "20031217"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/21 17:18
L6	12	((oled" or "organic light emitting diode") with (polymer)) and ((photo sensor" "light detector" "light sensor" "image sensor") with (organic) with polymer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/21 17:29
L7	1	6 and @ad < "20031217"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/21 17:30

S1	1259	257/13	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 15:52
S2	270790	"257"/(13,79-103).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 15:52
S3	0	("LED" or "light adj emitt\$3 adj diode") and ((light adj light with conversion) or (light adj conversion)) with ((sensor) or (light adj sensor)) and ((photo adj conduct\$3) or (photo adj current) or (multiplication adj layer)) and electroluminescent and polymer and semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 15:59
S4	0	("LED" or "light adj emitt\$3 adj diode") and ((light adj light with conversion) or (light adj conversion)) and ((sensor) or (light adj sensor)) and ((photo adj conduct\$3) or (photo adj current) or (multiplication adj layer)) and electroluminescent and polymer and semiconductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 15:59
S5	0	("LED" or "light adj emitt\$3 adj diode") and ((light adj light with conversion) or (light adj conversion)) and ((sensor) or (light adj sensor)) and ((photo adj conduct\$3) or (photo adj current) or (multiplication adj layer)) and electroluminescent	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 16:00
S6	447	("LED" or "light adj emitt\$3 adj diode") and ((light adj light with conversion) or (light adj conversion)) and ((sensor) or (light adj sensor))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 16:03
S7	114	polymer and S6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 16:06

S8	51	conductor and substrate and S6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 16:07
S9	33	polymer and S8	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 16:07
S10	10	S9 and @ad < "20031217"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 16:08
S11	277	S6 and @ad < "20031217"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 16:08
S12	24	S8 and @ad < "20031217"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 16:10
S13	19	("3666881"   "4127322"   "4150876"   "4185894"   "4368386"   "4481531"   "4920417"   "4989076").PN. OR ("5124545").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/07 17:49
S14	21	("4965591"   "5141785"   "5161007"   "5319461"   "5418096"   "5488601").PN. OR ("5555205").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/07 17:58
S15	12	("3611230"   "4011505"   "4453103"   "4518962"   "5059876"   "5210490"   "5341280").PN. OR ("5637973").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/07 18:01
S16	9	("4641071"   "5055775"   "5304899"   "5323001"   "5347256").PN. OR ("5818188").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/07 18:01
S17	2	("5909081").PN. OR ("6956323").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/07 18:03
S18	3007	257/40	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/07 18:26
S19	6	("LED" or "light adj emitt\$ adj diode") and ((light adj light adj conversion) or (light adj conversion) or (photo adj photo adj conversion)) and S18	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 18:28

S20	17	("LED" or "light adj emitt\$3 adj diode") and ((light adj light adj conversion) or (photo adj photo adj conversion))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 18:30
S21	2262	257/79	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 18:30
S22	0	("LED" or "light adj emitt\$3 adj diode") and ((light adj light adj to adj light adj conversion) or (photo adj photo adj conversion))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 18:40
S23	617	("LED" or "light adj emitt\$3 adj diode") and ((light adj light with conversion) or (photo adj photo adj conversion))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 18:40
S24	274	("LED" or "light adj emitt\$3 adj diode") and ((light adj light near5 conversion) or (photo adj photo adj conversion))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 18:41
S25	17	("LED" or "light adj emitt\$3 adj diode") and ((light adj light adj conversion) or (photo adj photo adj conversion))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 18:41
S26	327	("LED" or "light adj emitt\$3 adj diode") and ((light adj light near5 conversion) or (photo adj photo adj conversion) or ("light-to-light") or ("light-light"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 18:42
S27	183	S26 and @ad < "20031217"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 18:43
S28	1	"11393789"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 18:53
S29	1	"11360249"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/07 18:54

S30	13	("5751327"   "5768675"   "6012291"   "6121993"   "6121994"   "6121995"   "6218660"   "6266074"   "6366304"   "6380943"   "6607277"   "6683639"   "6949849").PN. OR ("7116345").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/09 21:56
S31	17	("3592527"   "3666881"   "3944358"   "4150876"   "4714956"   "5124545"   "5467216"   "5486936").PN. OR ("6163348").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/09 22:05
S32	16	("4060316"   "5170271"   "5200283"   "5208686"   "5260815"   "5268779").PN. OR ("5486936").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/09 22:13
S33	19	("3666881"   "4127322"   "4150876"   "4185894"   "4368386"   "4481531"   "4920417"   "4989076").PN. OR ("5124545").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/09 22:27
S34	21	("4965591"   "5141785"   "5161007"   "5319461"   "5418096"   "5488601").PN. OR ("5555205").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/09 22:32
S35	2	("5327263").PN. OR ("5748273").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/09 22:37
S36	5	("4846559"   "4920257"   "5327263").PN. OR ("5793453").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/09 22:37
S37	19	("3666881"   "4127322"   "4150876"   "4185894"   "4368386"   "4481531"   "4920417"   "4989076").PN. OR ("5124545").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/09 22:39
S38	120	((light adj light adj conversion) or (photo adj photo adj conversion) or (light adj to adj light with conversion))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/09 22:45
S39	101	S38 and @ad < "20031217"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/09 22:45
S40	9	("5056897"   "5150242"   "5182666"   "5543631"   "5629920"   "5903296"   "6219160"   "6268614"   "6437887").PN. OR ("7262430").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/09 23:13

S41	22	("3447922"   "3448028"   "3448029"   "3448030"   "4546244"   "4754132"   "4877952"   "5093565"   "5288990"   "5315129"   "5416338").PN. OR ("5543631").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/09 23:15
S42	12	("3655971"   "3795517"   "4672014"   "5170271"   "5200283"   "5260815"   "5301046"   "5304438"   "5313288"   "5486936").PN. OR ("5933201").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/09 23:16
S44	120	((light adj light adj conversion) or (photo adj photo adj conversion) or (light adj to adj light with conversion) or (light adj light with conversion))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/09 23:21
S45	120	((light adj light adj conversion) or (photo adj photo adj conversion) or (light adj to adj light))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/09 23:22
S46	1945	((photo light) near3 (sensor detector)) or photodiode) and (oled "organic light emitting diode")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 11:15
S47	1076	"1" and (((photo light) near3 (sensor detector)) photodiode) near3 (organic polymer resin)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 11:17
S48	1945	((photo light) near3 (sensor detector)) photodiode) and (oled "organic light emitting diode")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 11:19
S49	343	"1" and (((photo light) near3 (sensor detector)) photodiode) near3 (polymer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 11:21
S50	27	S48 and (((photo light) near3 (sensor detector)) photodiode) near3 (polymer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 11:21
S51	208	S48 and (((photo light) near3 (sensor detector)) photodiode) near3 (organic polymer resin)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 11:22

S52	10	S48 and (((photo light) near3 (sensor detector)) photodiode) near3 (organic adj polymer resin)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 11:23
S53	119	S51 and @ad < "20031217"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 11:23
S54	343	"1" and (((photo light) near3 (sensor detector)) photodiode) near3 (polymer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 12:18
S55	235	S54 and @ad < "20031217"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 12:18
S56	3007	257/40	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 13:47
S57	338	(((photo light) near3 (sensor detector)) photodiode) and ((oled) or ("organic light emitting diode") or (LED) or (light emitting diode)) and S56	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 13:55
S58	300	S57 and @ad < "20031217"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/10 13:55
S59	1948	(((photo light) near3 (sensor detector)) photodiode) and (oled "organic light emitting diode")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 08:40
S60	208	S59 and (((photo light) near3 (sensor detector)) photodiode) near3 (organic polymer resin)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 08:40
S61	119	S60 and @ad < "20031217"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 08:40
S62	3018	257/40	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 08:45

S63	344	S62 and (((photo light) near3 (sensor detector)) photodiode)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 08:45
S64	641911	(((photo light) near3 (sensor detector)) photodiode) and (oled "organic light emitting diode") or (LED or "light emitting diode")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 08:46
S65	230	S63 and S64	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 08:47
S66	59	((light adj shield\$3) or (light with Shield\$3) or (shield\$3) or (translucent)) and S63	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 08:50
S67	580	((light adj shield\$3) or (light with Shield\$3) or (shield\$3) or (translucent)) and S59	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 08:50
S68	52	S66 and @ad < "20031217"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 08:51
S69	228	S67 and @ad < "20031217"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 09:23
S70	4	("5771091"   "5969838"   "6091497"   "6239865").PN. OR ("6831266").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 09:52
S71	12	("4576436"   "5345076"   "5402508").PN. OR ("6091497").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 09:54
S72	7	("4933545"   "5262884"   "5771091"   "5969858"   "6091497"   "6239865"   "6552328").PN. OR ("6906807").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 09:57
S73	8	("5414247"   "5771091"   "5969858"   "6091497"   "6239865"   "6398425"   "6694031").PN. OR ("6822750").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 09:57

S74	53453	Nakayama.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 10:10
S75	1	"Kenichi Nakayama".in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 10:11
S76	215	"Nakayama Kenichi".in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 10:11
S77	274	"Yokoyama masaaki".in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 10:14
S78	248	"Ueda Masato".in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 10:15
S79	1286	divalent with heterocyclic with monovalent	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 10:18
S80	0	heteroclyctic and S79	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 10:19
S81	1286	heterocyclic and S79	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 10:19
S82	453	polystyrene and S81	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 10:20
S83	442	hydrogen and S82	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 10:21

S84	6	(((photo light) near3 (sensor detector)) photodiode) and S83	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 10:21
S85	1	"10582398"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 11:49
S86	1948	(((photo light) near3 (sensor detector)) photodiode) and (oled "organic light emitting diode")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 14:34
S87	580	((light adj shield\$3) or (light with Shield\$3) or (shield\$3) or (translucent)) and S86	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 14:34
S88	357	(translucent or diffusion) and S87	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 14:34
S89	147	S88 and @ad < "20031217"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 14:35
S90	13	("5751327"   "5768675"   "6012291"   "6121993"   "6121994"   "6121995"   "6218660"   "6266074"   "6366304"   "6380943"   "6607277"   "6683639"   "6949849").PN. OR ("7116345").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 14:59
S91	17	("3592527"   "3666881"   "3944358"   "4150876"   "4714956"   "5124545"   "5467216"   "5486936").PN. OR ("6163348").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 14:59
S92	16	("4060316"   "5170271"   "5200283"   "5208686"   "5260815"   "5268779").PN. OR ("5486936").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 14:59
S93	19	("3666881"   "4127322"   "4150876"   "4185894"   "4368386"   "4481531"   "4920417"   "4989076").PN. OR ("5124545").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 14:59

S94	21	("4965591"   "5141785"   "5161007"   "5319461"   "5418096"   "5488601").PN. OR ("5555205").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 14:59
S95	2	("5327263").PN. OR ("5748273").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 14:59
S96	5	("4846559"   "4920257"   "5327263").PN. OR ("5793453").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 14:59
S97	19	("3666881"   "4127322"   "4150876"   "4185894"   "4368386"   "4481531"   "4920417"   "4989076").PN. OR ("5124545").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 14:59
S98	68	(translucent or diffusion or transparent) and (S90 S91 S92 S93 S94 S95 S96 S97)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 14:59
S99	65	S98 and @ad < "20031217"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 15:00
S100	2	"20070181895"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 15:21
S101	8	("5414247"   "5771091"   "5969858"   "6091497"   "6239865"   "6398425"   "6694031").PN. OR ("6822750").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 15:36
S102	7	("4933545"   "5262884"   "5771091"   "5969858"   "6091497"   "6239865"   "6552328").PN. OR ("6906807").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/11 15:37
S103	2	"20070181895"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 17:22
S104	2	"10484578"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/11 17:24

S105	382	(((photo light) near3 (sensor detector)) photodiode) near3 (polymer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/05 17:16
S106	248	S105 and @ad < "20031217"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/05 17:16
S107	1	"10582398"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/14 14:21
S108	3	"7026654"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/14 14:27

12/21/2008 5:51:17 PM

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